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(71) Applicant (for all designated States except US): IM-  
PERIAL COLLEGE INNOVATIONS LIMITED  
[GB/GB]; Sherfield Building, Imperial College, London  
SW7 2AZ (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): TANG, Christoph,  
Marcel [GB/GB]; Center for Molecular Microbiology  
and Infection, Department of Infectious Diseases, Flowers  
Building, Armstrong Road, Imperial College London,  
London SW7 2AZ (GB). LL, Yanwen [GB/GB]; Center  
for Molecular Microbiology and Infection, Department of  
Infectious Diseases, Flowers Building, Armstrong Road,  
Imperial College London, London SW7 2AZ (GB).

(74) Agent: MILES, John; Eric Potter Clarkson, Park View  
House, 58 The Ropewalk, Nottingham NG1 5DD (GB).

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(54) Title: IDENTIFICATION OF ANTIGENICALLY IMPORTANT NEISSERIA ANTIGENS BY SCREENING INSER-  
TIONAL MUTANT LIBRARIES WITH ANTISERUM

(57) Abstract: A method for identifying a polypeptide of a microorganism which polypeptide is associated with an immune re-  
sponse in an animal which has been subjected to the microorganism, the method comprising the steps of (1) providing a plurality of  
different mutants of the microorganism; (2) contacting the plurality of mutant microorganisms with antibodies from an animal which  
has raised an immune response to the microorganism or a part thereof, under conditions whereby if the antibodies bind to the mutant  
microorganism the mutant microorganism is killed; (3) selecting surviving mutant microorganisms from step (2); (4) identifying  
the gene containing the mutation in any surviving mutant microorganism; and (5) identifying the polypeptide encoded by the gene.  
The polypeptide identified or a variant or fragment thereof or a fusion of these is useful in a vaccine. The polypeptide may be a  
polypeptide comprising the amino acid sequence selected from any one of SEQ ID Nos 2, 4, 6, 8, 10, 12, 14, 16, 18, 25 20, 22, 24,  
26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56; or a fragment or variant thereof or a fusion of such a fragment or variant,  
and is useful in a vaccine against *Neisseria meningitidis*.



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